

What is Claimed is:

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1. A case, comprising:

a case body having a storage compartment; ✓

a case cover adapted to enclose said storage compartment; and ✓

5 at least a hinge structure comprising a pair of first and second joints extended from a side of said case body and a respective side of said case cover respectively so as to securely connect said case cover with said case body, wherein:

said first joint comprises an elongated supporting arm having an arc-shaped cross section and defining an elongated holding slot therethrough, and

10 said second joint comprises an elongated pivot arm pivotally received in and extended along said holding slot of said first joint, wherein said case cover is capable of folding up and down with respect to said case body to open and close said case by pivotally rotating said pivot arm of said second joint within and about said supporting arm of said first joint.

15 2. The case, as recited in claim 1, wherein said second joint further comprises a support base and said elongated pivot arm of the second joint has an arc-shaped cross section and an elongated support portion integrally extended from said support base and an enlarged end portion that defines a front biasing surface provided at a front end of said end portion and a rear biasing surface outwardly extended between said support portion and said end portion.

20 3. The case, as recited in claim 2, wherein said first joint further comprises an elongated outer wall and an elongated inner wall to define said holding slot therebetween so as to define a closed stopping surface on said outer wall at an opening end of said holding slot and an opened stopping surface at a closed end thereof.

25 4. The case, as recited in claim 3, wherein said holding slot has an arc-shaped cross section and a size and curvature arranged for said pivot arm to be pivotally

received therein, so as to enable said case cover to be pivotally folded with respect to said case body between a closed position and an opened position, wherein in said closed position, said support portion of said pivot arm is slid out of said holding slot until said rear biasing surface of said pivot arm is biased against said closed stopping surface of said outer wall, and that in said opened position, said support portion of said pivot arm is slid into said holding slot until said front biasing surface of said pivot arm is biased against said opened stopping surface of said holding slot.

5. The case, as recited in claim 4, wherein said holding slot has a predetermined curvature to define a traveling distance between said opened stopping surface and said closed stopping surface of said holding slot that allows said supporting arm sliding along said traveling distance between said closed position and said opened position of said case cover.

6. The case, as recited in claim 4, wherein said support base having a top round end is biased against said inner wall and functioned as a pivot point of said second joint, wherein said inner wall is arranged to slidably move at said top round end of said support base between said opened position and said closed position.

7. The case, as recited in claim 5, wherein said support base having a top round end is biased against said inner wall and functioned as a pivot point of said second joint, wherein said inner wall is arranged to slidably move at said top round end of said support base between said opened position and said closed position.

8. The case, as recited in claim 4, wherein said inner wall further has a flat positioning surface slidably biased against said top round end of said inner wall so as to enhance a folding operation of said case cover with respect to said case body.

9. The case, as recited in claim 5, wherein said inner wall further has a flat positioning surface slidably biased against said top round end of said inner wall so as to enhance a folding operation of said case cover with respect to said case body.

10. The case, as recited in claim 7, wherein said inner wall further has a flat positioning surface slidably biased against said top round end of said inner wall so as to enhance a folding operation of said case cover with respect to said case body.

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11. The case, as recited in claim 4, wherein said supporting arm further has a curved inner surface having a curvature same as a curvature of a curved inner surface of said inner wall in such a manner that said inner surface of said supporting arm is fittedly sliding on said inner surface of said inner wall in a frictionally movable manner.

5 12. The case, as recited in claim 5, wherein said supporting arm further has a curved inner surface having a curvature same as a curvature of a curved inner surface of said inner wall in such a manner that said inner surface of said supporting arm is fittedly sliding on said inner surface of said inner wall in a frictionally movable manner.

10 13. The case, as recited in claim 7, wherein said supporting arm further has a curved inner surface having a curvature same as a curvature of a curved inner surface of said inner wall in such a manner that said inner surface of said supporting arm is fittedly sliding on said inner surface of said inner wall in a frictionally movable manner.

15 14. The case, as recited in claim 10, wherein said supporting arm further has a curved inner surface having a curvature same as a curvature of a curved inner surface of said inner wall in such a manner that said inner surface of said supporting arm is fittedly sliding on said inner surface of said inner wall in a frictionally movable manner.

20 15. The case, as recited in claim 4, wherein each of said first and said joints comprises two connecting walls for respectively mounting a rear panel of said case body and a rear wall of said case cover between said two connecting walls in a sandwiched manner.

16. The case, as recited in claim 5, wherein each of said first and said joints comprises two connecting walls for respectively mounting a rear panel of said case body and a rear wall of said case cover between said two connecting walls in a sandwiched manner.

25 17. The case, as recited in claim 7, wherein each of said first and said joints comprises two connecting walls for respectively mounting a rear panel of said case body and a rear wall of said case cover between said two connecting walls in a sandwiched manner.

